AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (Currently Amended) A vibration proof construction method for preventing or reducing vibration around a structure which generates vibration or receives vibration, wherein a hard member having higher stiffness than the surrounding ground and a rubber the method comprising disposing a plurality of adjoining column members and an elastic member are adjacently laid underground directly underneath or around said structure, thereby said column members forming a hard layer and a elastic layer contiguous with said elastic member, wherein said column members have a greater stiffness than the surrounding ground.
- 2. (Currently Amended) A vibration proof construction method according to Claim 1, wherein said hard member is column members are formed from concrete, hardening-treated soil, or iron material.
- 3. (Currently Amended) A vibration proof construction method according to Claim 1, wherein said hard layer is formed by appropriately arraying multiple columns said column members surrounds said elastic material.

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- 4. (Currently Amended) A vibration-proof construction method according to Claim 3, wherein a cross sectional shape of said columns column members are is cylindrical or square in section.
- 5. (Currently Amended) A vibration proof construction method according to Claim 1, wherein said rubber elastic member is formed from scrap tires or pulverized the scrap tire material.
- 6. (Currently Amended) A vibration proof construction method according to Claim 1, wherein the horizontal said hard layer formed by said column members surrounds said elastic layer and a cross-sectional shape of said hard layer is made to be a form of at least one honeycomb shape, formed by surrounding said elastic layer with said hard layer, so as to serve as a basic shape unit is hexagonal.
- 7. (Currently Amended) A vibration-proof construction method according to Claim 1, wherein the said hard layer formed by said column members surrounds said elastic layer and a horizontal cross-sectional shape of said hard layer is made to be a form of at least one square shape, formed by surrounding said elastic layer with said hard layer, so as to serve as a basic shape unit.

- 8. (Currently Amended) A vibration proof construction method according to Claim 1, wherein the said hard layer formed by said column members surrounds said elastic layer and a horizontal cross-sectional shape of said hard layer is made to be a form of at least one triangular shape, formed by surrounding said elastic layer with said hard layer, so as to serve as a basic shape unit triangular.
- 9. (Currently Amended) A vibration proof construction method according to Claim 1, wherein at least one pair of lines with the horizontal cross-sectional shapes made up of said elastic layer and said hard layer being disposed in parallel are a basic shape unit said hard layer is formed by two rows of said column members disposed on opposite sides of said elastic layer.
- 10. (Currently Amended) A vibration proof construction method according to Claim 1, wherein a second hard layer having the same stiffness as with the surrounding ground and said elastic layer are alternately disposed in the vertical direction.
- 11. (Currently Amended) A vibration proof construction method according to Claim 1, wherein said rubber elastic member is stirred in mixed with the soil at the lower layer thereof following said rubber elastic member being mixed laid underground.

- 12. (Currently Amended) A vibration-proof construction method according to Claim 1, wherein said structure is a support or foundation of a bridge or elevated structure, with directly underneath or around thereof being surrounded with said hard layer and said rubber elastic layer.
- 13. (New) A method according to Claim 1, wherein said elastic member and said hard layer formed by said column members form a basic unit, and a plurality of basic units are arranged in a contiguous manner underground directly underneath or around said structure.
- 14. (New) A system for preventing or reducing vibration around a structure which generates vibration or receives vibration, the system comprising:

an elastic member;

- a plurality of adjoining column members disposed around a periphery of said elastic member, said column members forming a hard layer contiguous with said elastic member, wherein said elastic member and said column members are disposed underground directly beneath or around said structure, said column members have a greater stiffness than the surrounding ground.
- 15. (New) A system according to Claim 14, wherein said column members are formed from concrete, hardening-treated soil, or iron material.

- 16. (New) A system according to Claim 14, wherein said hard layer formed by said column members surrounds said elastic material.
- 17. (New) A system according to Claim 16, wherein a cross sectional shape of said column members is cylindrical or square.
- 18. (New) A system according to Claim 14, wherein said elastic member is formed from scrap tires or pulverized scrap tire material.
- 19. (New) A system according to Claim 14, wherein said hard layer formed by said column members surrounds said elastic layer and a cross-sectional shape of said hard layer is hexagonal.
- 20. (New) A system according to Claim 14, wherein said hard layer formed by said column members surrounds said elastic layer and a horizontal cross-sectional shape of said hard layer is square.
- 21. (New) A system according to Claim 14, wherein said hard layer formed by said column members surrounds said elastic layer and a horizontal cross-sectional shape of said hard layer is triangular.

- 22. (New) A system according to Claim 14, wherein said hard layer is formed by two rows of said column members disposed on opposite sides of said elastic layer.
- 23. (New) A system according to Claim 14, wherein a second hard layer having the same stiffness as the surrounding ground and said elastic layer are alternately disposed in the vertical direction.
- 24. (New) A system according to Claim 14, wherein said rubber elastic member is mixed with the soil.
- 25. (New) A system according to Claim 14, wherein said structure is a support or foundation of a bridge or elevated structure.
- 26. (New) A system according to Claim 14, wherein said elastic member and said hard layer formed by said column members form a basic unit, and a plurality of basic units are arranged in a contiguous manner underground directly underneath or around said structure.